

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Carbon Monoxide (CO)

Units: Parts per Million (PPM)

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min		
1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.0			
2	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.7	0.8	0.5	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.6	0.8	0.7	0.8	0.7	0.3	0.8	0.1		
3	0.8	0.9	ST	0.2	0.2	0.2	0.3	0.5	0.5	0.6	ST	ST	0.5	0.9	0.2														
4	ST	0.1	0.1	0.1	0.3	0.5	0.8	0.9	0.7	0.5	0.9	0.1																	
5	ST	0.4	0.4	0.4	0.4	0.7	1.0	1.2	1.5	1.4	ST	0.8	1.5	0.4															
6	ST	0.5	0.4	0.5	0.6	0.9	1.3	1.5	1.2	1.3	1.5	1.0	1.5	0.4															
7	ST	ZS	ZS	ZS	ZS	0.4	0.4	0.6	0.8	0.9	1.2	1.6	1.2	1.2	1.1	0.9	1.6	0.4											
8	1.1	1.1	1.1	1.0	0.9	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.7	0.8	0.6	1.1	0.4	
9	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.9	1.4	1.4	0.9	0.7	0.8	0.5	0.4	0.4	0.4	0.4	0.8	1.0	0.8	0.6	0.7	0.5	0.7	1.4	0.4		
10	0.5	0.4	0.5	0.5	0.3	0.4	0.3	0.4	0.4	0.3	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.8	1.1	1.3	1.1	1.1	0.7	0.6	1.3	0.3		
11	1.0	1.1	1.0	1.3	1.3	1.2	0.9	0.7	0.7	0.8	0.6	0.5	0.5	0.6	0.6	0.4	0.5	0.6	0.9	1.1	1.2	1.4	1.5	1.7	0.9	1.7	0.4		
12	1.6	1.0	1.0	0.9	0.9	0.9	0.9	1.1	1.6	1.8	0.9	0.8	0.7	0.7	0.0	0.0	0.5	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.6	1.8	0.0		
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ZS	ZS	ZS	ZS	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.7	0.6	0.4	0.1	0.7	0.0
14	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.2	0.3	0.5	0.6	0.8	0.9	1.2	1.1	0.3	1.2	0.0	
15	0.9	0.5	0.2	0.2	0.3	0.5	0.9	1.1	1.1	0.5	0.4	0.3	0.2	0.1	0.0	0.2	0.2	0.5	0.6	0.8	1.1	0.9	0.9	0.5	1.1	0.0			
16	0.6	0.3	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.3	0.2	0.1	0.0	0.1	0.3	0.4	0.3	0.3	0.6	0.8	0.8	0.7	0.7	0.3	0.3	0.8	0.0		
17	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0		
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0		
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ZS	ZS	ZS	ZS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0		
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0		
25	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0		
27	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CA	CA	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CA	CA	CA	CA	0.0	0.0	0.0	0.1	0.3	0.3	0.4	0.5	0.1	0.5	0.0		
29	0.3	0.1	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.6	0.0	
30	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	
Average	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.5	0.4					
Maximum	1.6	1.1	1.1	1.3	1.3	1.2	0.9	1.1	1.6	1.8	0.9	0.8	0.8	0.7	0.6	0.4	0.6	0.8	0.9	1.3	1.6	1.5	1.5	1.7					
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Oxides of Nitrogen (NOx)

Units: Parts per Billion (PPB)

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
2	0.0	0.0	0.0	0.0	0.1	0.0	3.1	9.4	43.6	46.2	36.2	20.1	13.5	10.4	7.9	2.7	0.0	6.0	24.6	31.9	38.8	32.7	42.5	28.9	16.6	46.2	0.0	
3	35.4	54.7	ST	ST	ST	ST	ST	ST	0.0	0.0	0.0	0.0	0.9	9.7	15.6	21.2	ST	ST	13.7	54.7	0.0							
4	ST	ST	ST	ST	ST	ST	ST	6.8	6.7	8.6	18.6	31.1	52.5	57.3	55.7	33.1	30.0	57.3	6.7									
5	ST	ST	ST	ST	ST	ST	ST	34.8	38.5	44.5	66.5	85.6	105.4	121.4	100.2	ST	74.6	121.4	34.8									
6	ST	ST	ST	ST	ST	ST	ST	53.8	47.1	60.4	79.9	95.1	131.7	152.7	117.0	119.5	115.5	97.3	152.7	47.1								
7	ST	ST	ST	ST	ST	ZS	ZS	32.2	42.3	55.2	74.0	84.2	103.1	142.6	108.5	105.5	86.0	83.4	142.6	32.2								
8	82.4	87.9	92.5	78.3	72.3	50.6	38.8	42.1	39.5	42.0	43.7	40.9	36.7	33.4	23.0	17.5	19.1	29.6	32.6	30.5	30.8	25.9	38.4	46.1	44.8	92.5	17.5	
9	41.9	31.4	32.0	33.5	30.9	37.1	49.2	62.5	112.7	102.3	73.5	47.8	48.5	23.8	25.8	22.6	20.8	20.5	37.7	64.5	52.9	38.4	35.7	25.8	44.7	112.7	20.5	
10	22.9	3.9	30.5	28.9	7.3	20.9	13.8	21.4	31.0	22.5	28.1	29.5	20.2	19.7	17.5	13.5	9.2	29.3	45.0	64.5	75.1	59.0	57.7	31.4	29.3	75.1	3.9	
11	52.7	38.5	42.2	50.7	61.2	48.8	38.9	20.2	33.9	45.6	21.0	20.6	12.3	29.1	35.9	18.8	25.4	30.5	45.3	52.4	59.2	69.6	70.8	89.8	42.2	89.8	12.3	
12	69.5	37.9	41.3	31.8	33.7	41.7	49.7	71.7	110.0	126.3	51.3	38.1	35.7	29.1	5.8	0.0	34.3	27.7	21.9	33.4	37.6	35.7	18.6	23.1	41.9	126.3	0.0	
13	22.3	14.8	14.8	14.0	5.0	10.1	5.9	12.1	37.9	28.7	19.7	ZS	ZS	0.0	7.7	6.5	12.5	19.7	26.6	29.0	59.3	86.6	74.4	63.9	26.0	86.6	0.0	
14	51.2	46.0	48.4	28.9	36.7	27.7	22.2	24.0	44.0	27.2	32.2	22.2	31.7	28.6	35.8	44.2	45.5	45.0	58.3	66.0	81.5	88.4	108.7	97.8	47.6	108.7	22.2	
15	74.3	58.2	48.2	45.0	32.3	43.4	65.0	91.6	108.3	110.9	76.9	49.1	49.9	45.5	22.1	20.7	44.3	41.0	50.3	57.2	80.2	117.3	104.1	102.7	64.1	117.3	20.7	
16	77.3	37.8	33.9	37.3	30.9	26.9	35.3	26.2	27.4	45.8	46.7	27.5	17.0	24.9	40.4	59.9	47.0	44.3	65.6	86.8	91.9	74.9	70.0	47.0	46.8	91.9	17.0	
17	29.9	19.5	15.3	10.0	0.0	0.0	0.0	1.0	3.4	3.8	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	29.9	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	45.9	0.0	
19	6.7	6.2	4.3	6.3	3.9	5.5	7.3	10.9	15.1	13.4	17.1	18.0	ZS	ZS	15.4	11.6	14.6	18.2	26.2	17.4	21.7	12.3	14.5	14.1	12.7	26.2	3.9	
20	5.0	4.2	10.2	16.2	7.8	0.2	8.7	8.5	11.7	13.7	5.9	3.7	3.8	4.9	8.4	5.6	11.1	3.1	0.0	1.2	0.0	3.9	5.9	10.1	6.4	16.2	0.0	
21	6.0	3.5	4.7	3.9	4.4	1.5	0.0	6.1	3.8	8.4	8.9	8.1	7.9	6.6	6.5	6.2	0.0	7.8	9.7	10.0	4.8	1.0	0.0	0.0	5.0	10.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.3	0.0	
23	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.1	4.1	1.3	3.4	7.8	23.5	13.9	18.5	21.7	13.7	1.6	2.5	4.8	0.0	0.0	0.0	0.0	5.1	23.5	0.0
24	0.0	0.1	13.8	5.5	0.0	1.7	9.1	0.0	0.0	0.0	1.0	0.0	0.0	4.1	24.1	19.5	18.6	15.0	29.6	15.5	12.1	0.0	0.0	0.0	14.0	7.7	29.6	0.0
25	16.8	36.2	16.6	0.0	0.5	0.0	0.0	0.0	0.8	1.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	7.4	6.0	0.0	0.0	0.0	0.0	0.0	3.8	36.2	0.0	
26	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	10.2	13.2	9.5	0.0	0.0	0.0	1.9	13.2	0.0	
27	1.4	0.0	0.0	1.6	0.0	0.0	0.1	0.0	6.1	11.3	6.8	7.6	CA	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	11.3	0.0	
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	3.2	4.4	3.6	CA	CA	7.8	0.0	3.1	2.9	33.6	29.6	16.8	29.9	35.1	8.3	35.1	0.0		
29	30.6	8.0	5.9	2.8	7.1	12.0	24.2	40.8	60.7	37.5	26.6	17.8	11.3	16.7	17.6	11.7	8.1	9.7	14.9	28.6	21.3	17.6	16.9	9.2	19.1	60.7	2.8	
30	1.0	15.5	18.7	5.4	1.4	2.0	6.1	9.2	6.5	10.6	7.6	7.4	4.9	7.4	2.6	2.0	1.3	3.0	1.5	3.0	2.9	3.5	2.7	5.1	5.5	18.7	1.0	
31	3.4	2.6	1.8	0.0	0.0	0.6	0.0	0.5	0.7	0.2	0.2	1.3	0.0	1.0	2.7	0.0	0.9	0.0	0.1	3.2	4.8	3.0	1.4	0.6	1.2	4.8	0.0	
Average	23.4	18.8	18.3	15.5	12.9	14.5	17.7	27.3	27.1	19.7	14.9	13.7	13.4	14.8	13.6	16.1	19.1	25.0	32.4	38.3	36.1	37.3	30.7					
Maximum	82.4	87.9	92.5	78.3	72.3	50.6	65.0	91.6	112.7	126.3	76.9	49.1	49.9	45.5	53.8	59.9	60.4	79.9	95.1	131.7	152.7	121.4	119.5	115.5				
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Nitrous Oxide (NO)

Units: Parts per Billion (PPB)

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min		
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	27.0	13.5	4.8	2.6	0.7	0.1	0.0	0.0	0.0	0.0	6.6	19.8	11.5	18.5	6.2	5.5	27.0	0.0		
3	20.2	37.9	ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	ST	ST	5.8	37.9	0.0													
4	ST	0.0	0.0	0.0	0.0	2.2	20.6	28.2	27.5	14.8	10.4	28.2	0.0																
5	ST	7.6	4.7	5.5	27.7	47.0	72.1	88.0	68.6	ST	40.2	88.0	4.7																
6	ST	16.2	12.4	18.6	34.3	49.3	89.4	112.4	78.0	83.0	80.8	57.4	112.4	12.4															
7	ST	ZS	4.5	4.8	12.9	27.5	35.8	51.3	86.5	52.1	51.8	42.0	36.9	86.5	4.5														
8	44.2	52.0	50.8	39.3	34.0	17.0	10.6	13.3	9.8	14.6	14.8	13.0	11.3	8.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	13.7	15.0	52.0	0.0
9	11.7	6.8	10.5	15.7	14.3	24.2	30.5	38.9	83.2	64.2	38.5	16.0	17.0	5.0	2.2	0.0	0.0	0.0	13.4	31.9	21.6	8.4	13.6	5.2	19.7	83.2	0.0		
10	3.3	0.0	3.7	0.5	0.0	5.2	0.0	9.0	8.3	0.3	12.6	10.9	2.2	2.4	0.8	0.0	0.0	0.0	9.0	27.4	40.1	25.1	29.8	7.7	8.3	40.1	0.0		
11	22.8	18.8	23.2	37.2	39.8	40.3	24.4	11.8	18.1	25.0	7.0	0.1	0.6	1.5	2.2	0.0	0.0	0.0	5.1	14.7	20.0	29.7	36.1	43.3	17.6	43.3	0.0		
12	35.0	13.3	17.4	10.3	15.5	25.7	29.5	46.2	70.7	84.1	22.9	15.1	8.9	3.9	0.0	0.0	0.0	0.0	0.0	0.8	1.5	3.0	0.0	0.0	16.8	84.1	0.0		
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	6.7	0.0	ZS	ZS	0.0	0.0	0.0	0.0	0.0	2.1	27.6	55.1	32.9	24.3	7.3	55.1	0.0		
14	15.2	15.0	16.7	12.7	14.0	4.9	1.6	5.3	22.0	9.7	14.2	1.4	2.4	0.0	2.4	5.1	4.8	4.3	18.7	27.8	48.5	63.3	76.0	62.7	18.7	76.0	0.0		
15	51.7	34.1	20.3	21.8	14.8	26.2	37.3	65.5	88.2	80.1	38.4	18.2	15.1	10.0	2.8	0.0	8.4	5.9	22.2	28.0	43.5	77.8	61.7	64.6	34.9	88.2	0.0		
16	41.7	14.4	11.5	15.2	12.3	16.8	19.0	14.4	9.5	24.2	27.0	10.8	4.0	8.5	15.0	21.5	11.0	10.9	31.7	49.6	56.8	39.4	36.8	16.3	21.6	56.8	4.0		
17	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.2	0.0			
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	10.9	0.0			
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ZS	ZS	0.0	0.9	0.0	0.0	0.9	0.0	0.0	1.2	0.0	0.0	0.0	0.1	1.2	0.0	
20	0.0	0.0	0.0	2.7	0.0	0.0	0.9	0.0	2.5	4.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.9	0.0		
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	0.0		
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	3.2	2.1	11.4	4.6	2.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	11.4	0.0		
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.1	2.0	0.5	7.0	0.0	0.0	0.0	0.0	0.0	0.7	7.0	0.0		
25	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	7.8	0.0		
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	CA	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0		
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	CA	CA	CA	0.0	0.0	0.0	0.0	0.2	1.9	2.0	8.3	13.6	1.3	13.6	0.0		
29	5.8	0.0	0.0	0.0	0.0	1.7	13.1	21.0	38.3	15.1	7.8	6.6	2.2	2.8	2.9	1.1	0.3	0.0	0.8	3.3	1.3	0.2	0.5	0.0	5.2	38.3	0.0		
30	0.2	2.6	3.0	0.0	0.0	0.4	0.0	0.7	0.6	0.5	0.0	1.0	1.6	1.7	0.2	0.2	0.0	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.6	3.0	0.0		
31	2.0	1.8	1.4	0.0	0.0	0.6	0.0	0.5	0.7	0.2	0.1	1.1	0.0	0.8	2.5	0.0	0.7	0.0	0.1	2.1	1.4	1.1	0.5	0.3	0.7	2.5	0.0		
Average	9.6	7.6	6.1	6.0	5.6	6.3	6.4	8.7	14.8	13.7	7.7	4.1	3.2	2.5	2.3	1.9	2.1	2.9	7.2	12.4	18.6	18.2	18.9	13.6					
Maximum	51.7	52.0	50.8	39.3	39.8	40.3	37.3	65.5	88.2	84.1	38.5	18.2	17.0	11.4	16.2	21.5	18.6	34.3	49.3	89.4	112.4	88.0	83.0	80.8					
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

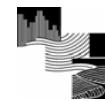
Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Nitrogen Dioxide (NO2)

Units: Parts per Billion (PPB)

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
2	0.0	0.0	0.0	0.0	0.1	0.0	3.1	9.4	23.8	19.2	22.7	15.2	10.9	9.7	7.8	2.7	0.0	6.0	24.6	25.4	19.0	21.2	23.9	22.6	11.1	25.4	0.0	
3	15.3	16.8	ST	0.0	0.0	0.0	0.9	9.7	15.6	20.8	ST	ST	7.9	20.8	0.0													
4	ST	6.8	6.7	8.6	18.6	28.9	31.9	29.1	28.2	18.3	19.7	31.9	6.7															
5	ST	27.2	33.8	39.0	38.8	38.5	33.2	33.4	31.6	ST	34.5	39.0	27.2															
6	ST	37.6	34.7	41.9	45.6	45.8	42.3	40.2	39.0	36.5	34.7	39.8	45.8	34.7														
7	ST	ZS	ZS	27.8	37.5	42.3	46.6	48.4	51.8	56.1	56.4	53.6	44.0	46.4	56.4	27.8												
8	38.2	35.9	41.7	39.0	38.3	33.6	28.2	28.7	29.7	27.4	29.0	27.9	25.4	25.2	20.6	17.5	19.1	29.6	32.6	30.5	30.8	25.9	28.2	32.4	29.8	41.7	17.5	
9	30.2	24.6	21.6	17.8	16.5	13.0	18.7	23.6	29.5	38.1	35.0	31.8	31.6	18.8	23.6	22.6	20.8	20.5	24.4	32.6	31.2	29.9	22.1	20.6	25.0	38.1	13.0	
10	19.6	3.9	26.8	28.4	7.3	15.7	13.8	12.4	22.8	22.2	15.5	18.6	18.0	17.3	16.7	13.5	9.2	29.3	36.0	37.1	35.0	33.9	27.9	23.7	21.0	37.1	3.9	
11	29.9	19.7	19.0	13.5	21.4	8.4	14.5	8.4	15.8	20.6	14.0	20.5	11.7	27.6	33.7	18.8	25.4	30.5	40.2	37.7	39.2	39.9	34.8	46.5	24.7	46.5	8.4	
12	34.4	24.6	23.9	21.6	18.2	15.9	20.3	25.5	39.3	42.2	28.4	23.0	26.9	25.2	5.8	0.0	34.3	27.7	21.9	32.6	36.2	32.7	18.6	23.1	25.1	42.2	0.0	
13	22.3	14.8	14.8	14.0	5.0	10.1	5.9	12.1	25.1	22.1	19.7	ZS	ZS	0.0	7.7	6.5	12.5	19.7	26.6	26.9	31.7	31.4	41.5	39.6	18.6	41.5	0.0	
14	36.0	30.9	31.8	16.3	22.7	22.8	20.6	18.7	22.0	17.5	18.0	20.8	29.3	28.6	33.4	39.1	40.6	40.6	39.6	38.2	33.0	25.1	32.7	35.0	28.9	40.6	16.3	
15	22.6	24.2	27.9	23.2	17.5	17.2	27.7	26.1	20.1	30.9	38.5	30.9	34.8	35.5	19.4	20.7	35.9	35.1	28.1	29.2	36.7	39.5	42.4	38.2	29.3	42.4	17.2	
16	35.6	23.4	22.4	22.1	18.6	10.1	16.3	11.8	17.9	21.7	19.7	16.7	13.0	16.5	25.5	38.4	36.0	33.5	33.9	37.1	35.2	35.5	33.2	30.7	25.2	38.4	10.1	
17	25.6	19.5	15.3	10.0	0.0	0.0	0.0	1.0	3.4	3.8	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	25.6	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0		
19	6.7	6.2	4.3	6.3	3.9	5.5	7.3	10.9	15.1	13.4	17.1	18.0	ZS	ZS	15.4	10.7	14.6	18.2	25.2	17.4	20.4	12.3	14.5	14.1	12.6	25.2	3.9	
20	5.0	4.2	10.2	13.5	7.8	0.2	7.8	8.5	9.3	8.8	3.8	3.7	3.8	4.9	8.4	5.6	11.1	3.1	0.0	1.2	0.0	3.9	5.9	10.1	5.9	13.5	0.0	
21	6.0	3.5	4.7	3.9	4.4	1.5	0.0	6.1	3.8	8.4	8.9	8.1	7.9	6.6	6.5	6.2	0.0	6.3	9.7	10.0	4.8	1.0	0.0	0.0	4.9	10.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.3	0.0		
23	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	2.1	4.1	0.4	0.2	5.7	12.1	9.4	16.0	19.5	13.7	1.6	2.5	4.8	0.0	0.0	0.0	3.9	19.5	0.0	
24	0.0	0.1	13.8	5.5	0.0	1.7	9.1	0.0	0.0	0.0	0.1	0.0	0.0	4.1	20.9	17.4	16.6	14.5	22.5	15.5	12.1	0.0	0.0	0.0	14.0	7.0	22.5	0.0
25	16.8	28.4	16.6	0.0	0.5	0.0	0.0	0.0	0.8	1.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0	7.4	6.0	0.0	0.0	0.0	0.0	0.0	3.5	28.4	0.0	
26	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	10.2	13.2	9.5	0.0	0.0	0.0	1.9	13.2	0.0	
27	1.4	0.0	0.0	1.6	0.0	0.0	0.1	0.0	6.1	11.3	6.8	7.3	CA	CA	CA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	11.3	0.0		
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	3.2	4.4	3.3	CA	CA	7.7	0.0	0.0	3.1	2.9	33.4	27.7	14.9	21.5	7.1	33.4	0.0		
29	24.8	8.0	5.9	2.8	7.1	10.2	11.2	19.7	22.4	22.5	18.8	11.2	9.1	13.9	14.7	10.6	7.8	9.7	14.2	25.3	20.0	17.4	16.4	9.2	13.9	25.3	2.8	
30	0.9	12.9	15.7	5.4	1.4	1.7	6.1	8.5	5.9	10.2	7.6	6.4	3.3	5.6	2.4	1.8	1.2	1.8	0.7	3.0	2.9	3.5	2.7	5.1	4.9	15.7	0.7	
31	1.4	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.0	0.0	0.0	1.0	3.4	1.9	0.9	0.3	0.5	3.4	0.0	0.0		
Average	13.8	11.2	12.2	9.5	7.3	6.5	8.1	8.9	12.5	13.4	11.9	10.8	10.5	11.0	12.5	11.8	14.0	16.2	17.9	20.0	19.7	17.9	18.4	17.0				
Maximum	38.2	35.9	41.7	39.0	38.3	33.6	28.2	28.7	39.3	42.2	38.5	31.8	34.8	35.5	37.6	39.1	42.3	46.6	48.4	51.8	56.1	56.4	53.6	46.5				
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Wind Speed

Units: Meters per Second (m/s)

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	3.7	4.8	4.4	4.1	4.6	4.3	3.2	3.9	3.1	4.3	4.5	3.8	3.8	4.2	2.4	5.5	4.0	2.2	2.0	2.1	2.4	1.3	3.0	2.7	3.5	5.5	1.3
2	2.5	2.8	2.5	2.1	1.7	1.6	1.2	1.3	0.9	0.4	2.1	3.0	2.9	3.6	3.8	4.5	3.9	3.1	1.1	0.7	0.9	0.8	0.4	0.9	2.0	4.5	0.4
3	0.9	1.1	1.1	1.2	1.1	0.7	0.1	0.0	0.0	1.4	2.7	3.5	3.2	4.3	4.5	3.7	3.8	3.8	2.8	2.3	3.3	2.4	0.6	0.3	2.0	4.5	0.0
4	0.2	0.1	0.6	1.0	IM	0.2	0.1	0.4	1.1	1.8	2.2	0.6	1.7	2.5	2.4	2.8	2.6	2.1	1.2	0.2	0.1	0.1	0.2	0.2	1.1	2.8	0.1
5	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.3	0.8	1.8	2.3	3.1	2.1	2.3	2.4	1.9	0.7	0.2	0.1	0.1	0.1	0.2	0.8	3.1	0.1
6	0.3	0.2	0.4	0.6	1.0	1.5	1.3	1.0	1.1	1.3	1.3	0.6	1.4	2.5	2.8	2.4	1.6	0.6	0.7	0.2	0.1	0.1	0.1	0.1	1.0	2.8	0.1
7	0.1	0.5	0.8	2.3	1.9	1.7	1.7	1.7	1.4	1.5	1.9	0.7	0.6	0.2	1.2	1.6	0.2	0.5	0.1	0.9	1.1	0.9	0.9	0.0	1.0	2.3	0.0
8	0.3	0.5	0.4	0.7	1.0	1.5	1.4	1.3	1.3	2.0	2.0	2.0	2.0	2.4	2.1	1.6	1.3	1.0	0.9	1.2	1.5	0.9	0.1	0.2	1.2	2.4	0.1
9	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.2	0.1	1.8	1.9	1.9	2.6	2.2	1.2	0.7	0.4	0.0	0.2	0.5	0.6	0.6	0.9	0.7	2.6	0.0
10	1.4	1.7	1.1	1.6	1.6	1.5	1.4	1.0	1.1	1.6	0.9	2.1	1.9	2.3	2.4	2.0	1.8	1.2	0.9	0.1	0.2	0.2	0.4	0.5	1.3	2.4	0.1
11	0.1	0.0	0.1	0.1	0.0	0.2	0.4	0.3	0.4	0.2	1.4	1.5	2.2	2.3	2.3	2.0	1.9	1.5	0.9	0.4	0.4	0.1	0.2	0.2	0.8	2.3	0.0
12	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.4	0.9	1.0	1.0	1.3	0.7	1.2	2.4	1.7	1.4	0.5	0.3	0.8	1.4	1.7	0.7	2.4	0.1
13	1.8	1.4	1.7	1.5	1.2	1.2	1.6	1.0	1.0	1.1	1.3	1.1	1.7	1.7	1.2	0.8	1.3	2.4	1.4	0.5	0.0	0.0	0.1	0.2	1.1	2.4	0.0
14	0.2	0.2	0.1	0.2	0.2	0.6	1.6	1.7	1.7	1.3	1.2	0.5	1.7	1.6	1.6	1.8	1.7	0.9	0.9	0.7	0.1	0.1	0.2	0.1	0.9	1.8	0.1
15	0.4	0.3	0.6	0.4	0.1	0.2	0.3	0.1	0.3	0.2	1.5	1.4	2.4	2.4	2.2	1.9	2.5	1.0	0.8	1.2	0.4	0.1	0.2	0.2	0.9	2.5	0.1
16	0.3	0.7	1.0	0.6	0.2	0.5	0.6	0.8	1.5	1.1	0.9	0.8	1.5	1.8	2.3	2.3	2.6	1.7	0.5	0.1	0.3	0.2	0.3	1.4	1.0	2.6	0.1
17	2.0	2.7	3.6	2.4	3.0	3.2	3.5	3.1	2.9	3.4	2.7	3.0	3.7	4.3	3.8	3.3	4.7	2.7	3.2	3.5	3.5	2.8	2.9	4.4	3.3	4.7	2.0
18	4.4	6.0	5.4	5.4	5.4	5.3	4.3	3.9	2.7	3.4	4.4	4.4	4.7	3.0	3.2	2.4	3.0	3.9	3.8	4.0	3.8	3.9	4.0	5.0	4.1	6.0	2.4
19	3.6	4.2	4.2	3.7	2.7	3.3	4.8	3.9	3.4	3.8	3.2	3.2	2.6	3.0	2.0	2.3	2.1	1.0	2.4	3.2	2.8	3.1	3.1	2.7	3.1	4.8	1.0
20	3.0	1.4	0.1	1.0	2.9	3.3	4.9	5.0	4.9	3.4	2.9	4.2	4.2	3.4	3.0	2.8	2.8	3.7	3.4	2.4	3.1	2.9	3.7	4.4	3.2	5.0	0.1
21	3.9	4.4	3.6	4.3	4.4	4.2	5.0	4.4	4.6	4.2	2.8	3.6	4.2	4.3	4.2	4.5	2.8	2.6	2.7	2.2	2.3	2.5	3.3	3.6	5.0	2.2	
22	3.0	2.8	2.8	3.0	3.2	3.3	2.8	2.9	3.0	2.5	3.8	3.9	3.5	3.1	2.7	1.3	2.5	3.4	3.2	3.1	2.8	2.8	2.5	3.0	3.9	1.3	
23	1.9	2.1	2.4	1.9	1.9	1.3	0.3	0.5	0.5	0.6	0.8	1.3	2.3	2.6	2.7	2.6	1.8	1.5	0.2	0.9	1.5	1.7	2.1	1.1	1.5	2.7	0.2
24	2.0	1.9	2.0	2.5	1.0	0.2	1.6	2.4	0.7	0.8	0.2	0.8	2.7	0.7	1.9	1.8	0.6	0.2	0.4	1.3	2.4	3.6	0.1	0.2	1.3	3.6	0.1
25	0.1	0.4	3.2	4.0	1.3	2.7	3.4	3.1	3.5	3.5	3.3	3.9	2.6	2.6	3.4	1.5	1.3	1.4	1.8	2.4	2.8	3.3	3.2	3.6	2.6	4.0	0.1
26	3.5	4.2	3.5	2.1	1.7	1.0	0.0	0.5	1.3	1.6	2.2	2.4	0.6	0.3	0.3	1.1	1.4	1.7	2.2	1.7	1.8	1.7	2.4	2.6	1.7	4.2	0.0
27	2.9	3.5	3.1	4.0	4.0	3.1	3.5	3.6	3.5	3.6	4.1	4.4	4.4	4.3	3.9	3.7	3.8	4.4	4.1	3.7	3.8	3.4	3.3	3.6	3.7	4.4	2.9
28	3.3	2.7	3.4	2.5	3.7	3.5	3.7	3.6	4.3	3.6	3.6	2.1	0.5	3.0	2.7	2.9	2.2	2.0	0.9	0.3	0.6	0.2	0.2	0.1	2.3	4.3	0.1
29	0.4	1.1	1.9	0.6	0.2	0.1	0.2	0.1	0.3	2.1	2.5	1.1	1.5	1.7	1.5	2.4	1.2	0.6	0.3	0.2	0.9	0.2	1.4	1.6	1.0	2.5	0.1
30	2.1	3.3	3.8	3.7	2.9	3.7	3.8	4.0	4.1	4.2	4.5	4.9	5.2	4.8	5.0	5.7	4.8	5.3	4.8	3.8	3.9	4.2	4.6	4.2	4.2	5.7	2.1
31	4.5	4.1	3.6	3.7	5.3	4.6	2.4	2.5	2.7	1.8	2.0	2.5	3.3	4.6	5.0	5.0	2.2	1.7	0.0	0.5	0.3	2.3	3.6	3.1	3.0	5.3	0.0
Average	1.7	1.9	2.0	2.0	1.9	1.9	1.9	2.0	2.3	2.3	2.5	2.7	2.6	2.6	2.3	2.0	1.6	1.5	1.6	1.5	1.6	1.6	1.7				
Maximum	4.5	6.0	5.4	5.4	5.3	5.0	5.0	4.9	4.3	4.5	4.9	5.2	4.8	5.0	5.7	4.8	5.3	4.8	4.0	3.9	4.2	4.6	5.0				
Minimum	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.5	0.5	0.2	0.3	0.8	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Wind Direction

Units: Degrees True

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	126	138	152	143	143	140	132	150	129	138	133	130	142	130	124	105	116	134	150	124	153	156	292	302	149	302	105
2	290	295	295	295	294	285	299	293	277	273	288	285	298	293	296	294	294	298	303	284	272	297	302	290	291	303	272
3	304	306	295	303	295	281	303	148	256	296	295	292	298	298	286	290	299	294	293	288	293	284	22	60	266	306	22
4	354	174	131	122	IM	78	119	127	127	129	134	175	281	293	288	296	296	291	287	345	118	123	147	120	198	354	78
5	84	133	118	113	105	101	141	126	97	140	299	286	293	292	292	297	298	299	288	263	108	137	95	141	189	299	84
6	116	88	100	118	126	123	112	114	132	130	144	237	289	293	289	295	292	283	273	263	92	103	149	113	178	295	88
7	133	112	119	123	114	115	113	112	121	119	113	139	144	125	285	288	287	297	249	282	281	289	289	224	186	297	112
8	127	290	295	296	292	300	288	292	294	293	294	293	289	289	288	272	281	268	278	292	286	295	84	126	267	300	84
9	103	111	140	119	156	159	127	267	150	213	297	294	294	295	296	279	278	262	37	130	126	119	113	126	187	297	37
10	128	111	122	117	114	125	112	135	116	120	287	294	296	299	293	298	301	294	286	326	133	137	127	108	195	326	108
11	184	64	172	310	17	157	116	90	143	307	297	298	294	292	294	299	293	291	287	285	293	296	227	86	225	310	17
12	111	128	103	116	135	74	45	133	116	279	273	290	291	285	256	279	301	302	296	276	261	120	136	134	198	302	45
13	128	115	125	120	120	138	137	95	118	110	124	143	144	156	162	167	291	302	292	297	312	131	135	115	166	312	95
14	133	104	131	121	107	109	113	114	135	108	149	264	297	284	284	291	291	282	290	286	309	234	142	97	195	309	97
15	124	106	117	116	140	294	136	141	122	276	285	291	292	295	293	286	292	279	278	277	305	167	124	145	216	305	106
16	123	124	122	130	101	122	122	123	120	132	144	286	280	288	290	290	297	300	284	247	132	133	102	117	184	300	101
17	116	124	133	126	136	133	131	132	130	133	121	122	116	112	121	133	142	137	129	130	128	123	128	120	127	142	112
18	121	127	125	127	125	118	120	128	122	115	114	115	104	117	109	123	116	125	114	124	126	125	124	121	120	128	104
19	125	120	119	123	129	128	130	132	132	126	130	127	138	135	113	134	138	139	134	127	132	132	136	139	130	139	113
20	129	127	292	106	138	143	135	127	128	130	142	130	130	115	131	139	123	121	130	138	130	129	129	125	136	292	106
21	138	130	133	134	138	143	140	132	133	133	121	132	139	139	138	144	136	130	140	142	126	116	137	127	134	144	116
22	128	126	113	121	113	117	128	126	125	122	117	116	116	123	122	133	122	116	122	125	128	130	130	123	133	113	
23	131	127	125	119	113	108	239	287	280	291	284	283	284	293	296	287	275	286	227	153	131	99	100	141	207	296	99
24	142	139	134	135	280	295	123	140	285	282	308	119	128	188	288	292	283	297	110	148	133	130	304	174	202	308	110
25	250	109	129	129	122	123	126	127	137	139	130	126	127	122	111	136	145	129	133	131	125	119	119	118	132	250	109
26	136	108	108	126	303	278	72	131	123	133	128	134	137	88	198	131	142	128	124	126	135	131	132	126	141	303	72
27	136	130	136	136	123	125	132	133	134	136	128	119	118	120	118	117	127	120	124	117	115	114	122	124	125	136	114
28	113	129	132	144	134	130	125	130	133	135	133	135	126	279	279	288	272	285	286	264	269	284	145	45	183	288	45
29	149	129	128	116	146	86	161	112	142	130	129	130	291	296	296	301	290	149	59	138	135	53	135	128	159	301	53
30	127	127	130	126	129	131	129	128	130	126	121	117	115	116	115	120	120	118	124	129	132	121	118	123	124	132	115
31	133	122	117	118	108	129	132	132	178	235	249	260	279	285	293	303	274	300	315	174	143	132	131	123	194	315	108
Average	150	138	148	147	150	154	143	147	175	191	199	212	217	227	229	232	228	208	208	179	160	148	135				
Maximum	354	306	295	310	303	300	303	293	294	307	308	298	298	299	296	303	301	302	315	345	312	297	304	302			
Minimum	84	64	100	106	17	74	45	90	97	108	113	115	104	88	109	105	116	116	37	117	92	53	22	45			

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Ambient Temperature

Units: Degrees Celcius (oC)

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min	
1	14.9	15.4	15.3	14.4	13.9	13.6	13.5	14.8	15.0	15.1	15.0	15.7	16.6	15.4	14.5	14.1	13.8	13.8	14.2	14.9	15.0	15.1	10.7	9.8	14.3	16.6	9.8	
2	9.4	9.3	9.3	9.3	9.4	8.9	8.0	7.1	6.3	7.3	8.9	9.9	11.0	11.8	12.5	12.8	12.7	11.8	10.9	9.3	8.7	8.2	7.4	7.7	9.5	12.8	6.3	
3	7.0	6.3	5.7	5.9	5.6	5.0	3.7	3.2	3.8	6.7	8.4	9.4	10.7	12.1	12.4	12.6	12.6	11.3	10.3	9.3	8.8	8.3	7.2	5.9	8.0	12.6	3.2	
4	5.0	3.7	3.7	3.7	IM	1.9	1.0	0.7	1.6	4.3	6.0	9.8	11.7	12.9	13.6	14.0	14.0	13.2	12.0	10.0	7.6	6.1	5.4	4.4	7.2	14.0	0.7	
5	3.6	2.6	2.1	1.6	1.2	1.4	1.9	1.4	1.7	5.8	8.3	9.2	10.6	11.9	12.8	13.3	13.5	12.9	11.0	8.8	6.4	5.3	4.3	3.7	6.5	13.5	1.2	
6	3.3	2.9	2.6	2.2	2.0	2.4	1.6	1.4	2.2	4.2	7.0	10.3	11.7	13.0	14.4	15.5	15.8	14.2	11.6	9.5	7.3	6.1	5.3	4.8	7.1	15.8	1.4	
7	4.2	3.9	3.8	4.5	4.5	4.3	3.6	4.6	4.3	6.3	7.5	9.9	11.7	13.3	14.0	14.0	13.7	13.4	12.8	12.4	12.1	11.6	11.4	11.1	8.9	14.0	3.6	
8	10.9	10.7	10.2	10.2	10.1	9.9	9.7	9.5	9.5	9.8	10.4	11.1	12.3	13.2	13.7	14.1	14.5	14.0	13.3	13.0	12.7	11.9	11.0	9.7	11.5	14.5	9.5	
9	8.4	7.7	6.9	6.0	5.8	5.3	4.7	4.5	4.7	8.7	10.5	11.9	13.7	15.2	16.3	17.1	17.5	15.5	12.7	11.0	9.9	9.4	8.5	8.3	10.0	17.5	4.5	
10	7.5	8.0	6.9	6.7	6.6	5.8	6.4	5.2	5.3	8.2	11.0	12.6	14.5	15.9	17.0	17.9	18.2	16.9	14.5	12.1	10.5	9.0	8.3	8.7	10.6	18.2	5.2	
11	8.0	7.7	7.9	8.0	7.3	6.6	6.9	7.0	6.8	10.6	12.1	13.9	14.9	15.8	16.7	16.8	16.4	15.5	13.9	12.5	11.9	11.3	10.9	10.5	11.3	16.8	6.6	
12	9.9	9.1	8.3	7.4	6.6	6.9	6.8	6.6	6.4	8.1	9.7	10.5	12.1	12.9	13.6	13.9	13.1	12.7	12.2	11.8	11.5	10.7	10.0	9.7	10.0	13.9	6.4	
13	9.4	9.6	9.4	9.3	9.4	9.2	9.1	8.9	8.1	9.1	10.1	12.5	13.4	13.5	13.7	14.4	13.7	12.4	11.1	9.8	8.2	7.1	6.3	5.7	10.1	14.4	5.7	
14	5.3	4.8	4.3	3.7	3.5	3.5	4.2	4.1	3.6	6.1	7.7	10.3	11.1	12.1	13.0	13.3	13.4	12.7	11.7	10.7	9.1	7.7	7.0	6.2	7.9	13.4	3.5	
15	6.0	5.9	5.6	5.0	4.4	3.9	3.3	3.0	3.0	6.4	8.2	10.0	11.7	12.8	14.1	14.7	14.6	13.3	11.4	10.7	9.2	7.1	5.8	5.1	8.1	14.7	3.0	
16	4.8	4.3	4.0	3.5	3.3	2.7	2.2	1.9	3.3	4.3	5.3	7.7	8.8	10.2	11.4	12.3	12.0	11.0	9.2	7.6	6.4	5.8	5.4	5.6	6.4	12.3	1.9	
17	5.7	5.4	5.6	5.5	6.5	6.8	6.7	6.6	6.6	7.5	9.1	10.1	10.9	12.7	13.4	13.7	13.1	12.3	11.7	11.2	10.8	10.5	10.3	10.2	9.3	13.7	5.4	
18	9.9	10.4	10.5	10.6	10.7	10.5	10.7	11.3	12.2	13.0	13.3	13.0	13.4	13.9	14.3	14.8	14.7	14.8	14.1	13.4	13.1	12.9	13.3	13.1	12.6	14.8	9.9	
19	13.0	13.0	13.0	12.9	13.0	12.9	12.8	12.9	12.9	13.6	14.1	14.7	15.3	15.5	15.7	16.4	16.6	15.8	14.6	14.2	13.5	13.1	12.5	12.3	13.9	16.6	12.3	
20	12.4	12.5	11.6	11.2	11.6	12.4	11.4	11.1	11.1	12.0	14.2	16.1	17.0	17.3	17.5	18.8	19.2	18.7	17.4	16.1	15.4	15.5	14.9	14.0	14.6	19.2	11.1	
21	14.0	13.4	12.8	13.0	12.4	12.4	12.5	12.0	12.3	12.8	13.6	14.9	16.5	17.0	17.5	18.0	17.1	15.0	14.8	15.1	15.4	15.8	16.0	16.3	14.6	18.0	12.0	
22	16.2	16.3	17.1	17.1	16.5	16.2	15.9	16.0	15.9	16.9	17.3	17.2	17.2	17.4	17.1	16.5	16.8	16.5	16.2	15.8	15.6	15.4	15.3	15.0	16.4	17.4	15.0	
23	15.1	14.6	13.9	14.1	14.2	14.3	14.2	13.8	13.7	13.5	13.7	14.5	15.1	15.4	15.6	15.7	15.6	15.7	15.8	15.6	15.1	14.8	15.2	15.2	14.8	15.8	13.5	
24	14.1	13.6	13.4	13.3	12.9	12.7	12.3	11.5	11.9	13.6	12.3	12.5	13.0	15.4	19.4	19.1	20.0	20.4	19.5	16.8	16.7	16.6	15.5	14.6	13.6	15.1	20.4	11.5
25	12.9	12.5	12.3	11.9	12.2	12.4	12.6	12.7	12.8	12.9	13.6	14.6	15.4	15.6	15.2	15.0	14.9	14.5	13.8	13.4	13.5	13.8	13.5	13.4	13.6	15.6	11.9	
26	13.3	13.0	12.9	13.0	12.5	11.9	10.5	9.5	9.7	10.7	12.1	13.5	14.7	15.1	15.9	15.8	15.2	14.5	13.6	12.9	12.4	12.4	12.0	11.9	12.9	15.9	9.5	
27	11.7	11.9	11.9	11.3	11.2	11.5	11.2	11.3	11.4	11.6	12.3	13.6	14.3	16.0	16.6	16.6	15.8	15.4	15.0	15.2	15.1	15.4	15.8	15.3	13.6	16.6	11.2	
28	14.6	14.0	13.6	13.7	13.9	13.3	13.6	13.4	12.7	13.3	13.4	14.0	15.6	16.5	16.5	16.6	16.5	15.3	13.6	12.1	11.7	11.0	10.0	8.9	13.7	16.6	8.9	
29	9.3	9.8	9.4	8.8	8.6	7.8	7.0	6.6	6.4	7.8	8.8	10.2	11.7	12.3	12.6	13.0	13.2	12.7	11.7	10.9	11.0	11.0	10.6	10.5	10.1	13.2	6.4	
30	10.1	10.0	9.9	9.9	10.1	10.2	10.1	9.9	9.6	10.0	11.5	12.6	13.5	13.6	13.8	14.1	14.2	13.8	14.2	14.0	14.4	14.3	13.8	13.7	12.1	14.4	9.6	
31	14.0	14.4	15.0	15.4	15.4	15.6	16.1	16.3	16.7	16.4	16.0	15.7	14.8	14.7	14.0	14.2	14.3	14.0	12.6	11.1	10.3	9.2	8.9	8.6	13.9	16.7	8.6	
Average	9.8	9.6	9.3	9.1	9.2	8.8	8.5	8.3	8.4	9.8	11.0	12.3	13.5	14.3	14.8	15.2	15.1	14.3	13.2	12.3	11.6	11.0	10.4	10.0				
Maximum	16.2	16.3	17.1	17.1	16.5	16.2	16.1	16.3	16.7	16.9	17.3	17.2	17.2	19.4	19.1	20.0	20.4	19.5	17.4	16.7	16.6	15.8	16.0	16.3				
Minimum	3.3	2.6	2.1	1.6	1.2	1.4	1.0	0.7	1.6	4.2	5.3	7.7	8.8	10.2	11.4	12.3	12.0	11.0	9.2	7.6	6.4	5.3	4.3	3.7				

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 0.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR Services Corporation

Parameter: Relative Humidity

Units: Percent (%)

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	70	70	72	78	83	87	89	86	86	85	85	83	75	84	88	88	91	93	94	91	92	90	95	95	85	95	70
2	96	97	98	93	92	91	88	84	86	80	69	59	51	47	48	48	52	57	64	72	76	78	83	80	75	98	47
3	82	85	87	87	89	90	93	95	94	85	76	70	62	48	48	46	41	52	55	59	63	69	74	77	72	95	41
4	78	82	80	79	IM	85	90	91	85	73	68	51	40	32	30	29	30	31	34	42	54	65	67	71	60	91	29
5	76	81	82	85	86	85	81	84	84	67	56	53	49	45	43	42	43	49	58	67	78	83	85	86	69	86	42
6	86	87	88	88	88	83	86	86	82	76	67	57	50	42	34	32	32	39	48	58	69	71	74	77	67	88	32
7	80	81	79	76	76	77	80	74	76	68	64	59	55	48	45	43	46	48	53	55	64	67	69	72	65	81	43
8	74	76	83	83	83	82	83	85	83	82	79	75	70	66	62	62	61	62	63	64	66	69	74	80	74	85	61
9	84	87	90	92	92	93	94	95	95	83	76	71	64	58	52	46	45	51	62	70	71	72	77	75	75	95	45
10	79	76	81	82	81	85	81	87	86	76	67	60	52	47	44	40	39	44	57	67	73	78	80	79	68	87	39
11	83	84	84	85	88	90	88	87	88	74	64	55	51	49	46	43	46	50	59	65	68	72	75	77	70	90	43
12	79	81	85	87	90	89	90	91	93	90	90	87	79	73	70	67	70	71	71	74	76	81	86	87	82	93	67
13	89	89	90	91	89	89	88	89	92	89	84	72	61	61	59	61	66	71	77	83	88	89	90	80	92	59	
14	91	92	93	94	94	95	94	94	94	88	83	75	71	67	63	62	62	66	71	75	82	87	90	91	82	95	62
15	91	91	92	93	94	95	95	96	96	90	82	73	63	57	48	45	48	53	58	60	68	77	81	84	76	96	45
16	86	86	87	88	90	91	92	93	91	87	86	84	80	74	66	61	62	67	75	83	88	89	90	88	83	93	61
17	87	87	87	88	84	84	84	85	85	82	76	73	71	62	58	60	66	74	78	84	88	91	93	94	80	94	58
18	95	94	94	94	94	95	96	95	94	91	91	94	94	93	91	91	92	91	93	95	96	97	93	94	94	97	91
19	95	94	94	95	92	92	91	90	90	86	85	82	79	79	78	76	75	79	85	84	87	87	89	89	86	95	75
20	88	85	88	90	86	81	87	89	88	84	76	67	61	63	65	56	49	44	50	57	61	62	66	72	71	90	44
21	73	76	79	77	80	79	78	79	77	74	74	71	66	66	71	79	85	93	94	95	95	93	92	91	81	95	66
22	93	92	87	86	90	92	93	93	93	88	87	88	86	83	86	93	89	89	90	94	96	97	97	97	91	97	83
23	95	95	97	98	97	97	97	97	97	98	98	98	95	93	92	92	95	92	91	92	94	96	97	95	98	91	
24	96	97	97	95	96	98	98	99	99	98	98	98	89	71	72	67	66	71	83	81	78	83	86	90	88	99	66
25	93	94	95	98	98	98	97	95	95	94	92	87	83	84	85	87	87	88	92	94	94	90	92	91	92	98	83
26	90	92	93	93	92	89	94	96	96	91	87	80	69	63	55	58	59	71	77	78	78	74	76	77	80	96	55
27	80	78	79	83	84	82	84	82	80	80	79	73	70	60	59	62	69	75	79	80	82	83	80	81	77	84	59
28	84	85	84	82	82	93	96	95	96	94	96	96	87	70	63	60	62	64	70	80	83	85	89	93	83	96	60
29	93	91	92	91	92	95	96	96	97	95	90	87	82	78	74	70	66	68	74	79	80	85	86	85	83	85	66
30	87	90	92	90	87	84	84	86	82	73	66	65	66	73	77	78	84	86	87	87	91	93	95	83	95	65	
31	96	94	94	92	92	90	86	85	82	83	80	75	77	72	73	64	65	67	72	81	84	87	89	91	82	96	64
Average	86	87	88	88	89	89	90	90	89	84	80	75	69	65	63	61	62	66	71	75	79	82	84	85			
Maximum	96	97	98	98	98	98	99	99	98	98	98	95	93	92	93	95	93	94	95	96	97	97	97	97	97	97	
Minimum	70	70	72	76	76	77	78	74	76	67	56	51	40	32	30	29	30	31	34	42	54	62	66	71			

Quality Control Codes

Auto Zero, Span Check	AS
Calibration	CA
Invalid Hour	IH
Instrument Malfunction	IM
Channel Off Line	OL
Out of Range	OR
Rate of Change	RC
Replace Instrument	RP
Shelter Temperature Range Exceedance	ST
Instrument Warm Up	WU
Zero,Span Precision Check	ZS

Data Report - Level 1.0 Validation

Project Name: Calpines Initial Study

Site Name: Park



PCR

PCR Services Corporation

Parameter: Shelter Temperature

Units: Degrees Celcius (oC)

Month: December Year: 2005

Day/Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Ave	Max	Min
1	26.4	26.5	26.4	26.3	26.3	26.0	25.6	25.3	25.2	25.1	25.2	25.3	25.4	25.7	25.8	25.8	25.5	25.3	25.2	25.1	25.1	25.1	25.0	24.5	25.5	26.5	24.5
2	23.8	23.4	22.9	22.6	22.4	22.0	21.6	21.1	20.6	20.0	19.8	20.1	20.7	21.3	21.8	22.2	22.3	22.3	22.2	22.1	21.9	21.5	21.0	20.5	21.7	23.8	19.8
3	20.1	20.0	19.7	19.3	19.0	18.5	18.0	17.4	16.9	16.5	16.7	17.5	18.4	19.4	20.1	20.5	21.0	21.3	21.2	21.0	20.6	20.1	19.7	19.4	19.3	21.3	16.5
4	19.0	18.8	18.4	17.9	IM	16.9	16.2	15.6	14.9	14.5	14.8	15.7	17.1	18.6	19.9	20.9	21.8	22.3	22.6	22.6	22.3	21.9	21.2	20.5	18.9	22.6	14.5
5	19.7	19.2	18.6	18.0	17.4	16.6	15.9	15.4	14.9	14.5	14.8	15.8	17.2	18.6	19.8	20.8	21.6	22.1	22.3	22.3	21.9	21.3	20.6	19.9	18.7	22.3	14.5
6	19.1	18.6	18.0	17.5	17.0	16.4	15.7	15.1	14.7	14.3	14.6	15.7	17.2	18.8	20.1	21.2	22.1	22.8	23.1	23.0	22.6	22.1	21.3	20.6	18.8	23.1	14.3
7	19.9	19.5	19.0	18.5	18.2	17.7	17.2	16.8	16.5	16.4	16.6	17.1	20.2	25.1	25.8	25.2	25.0	25.0	24.9	24.7	24.5	24.3	24.1	23.8	21.1	25.8	16.4
8	23.6	23.7	23.7	23.6	23.5	23.3	23.3	23.3	23.2	23.2	23.1	23.2	23.4	23.8	24.3	24.8	25.2	25.3	25.3	25.1	24.9	24.6	24.2	24.0	25.3	23.1	
9	23.7	23.6	23.5	23.6	23.6	23.6	23.5	23.4	23.4	23.4	23.3	23.3	23.6	24.3	24.9	25.6	26.2	26.7	26.8	26.5	25.9	25.2	24.4	23.8	24.4	26.8	23.3
10	23.5	23.5	23.5	23.6	23.6	23.5	23.5	23.4	23.4	23.4	23.2	23.3	23.9	24.7	25.4	26.1	26.7	27.1	27.2	26.9	26.4	25.7	24.9	24.1	24.6	27.2	23.2
11	23.6	23.6	23.5	23.6	23.6	23.5	23.4	23.4	23.4	23.4	23.3	23.5	24.3	25.2	25.8	26.4	26.8	27.0	26.9	26.7	26.3	25.8	25.3	24.8	24.7	27.0	23.3
12	24.4	24.2	23.8	23.7	23.6	23.5	23.4	23.4	23.4	23.4	23.3	23.2	23.1	23.5	24.0	23.9	23.5	23.2	23.3	23.3	23.3	23.2	23.0	23.5	24.4	23.0	
13	23.1	23.3	23.3	23.4	23.5	23.4	23.3	23.3	23.3	23.3	23.2	23.7	26.2	26.5	26.6	26.7	26.7	26.6	26.1	25.5	24.9	24.6	24.5	24.5	24.6	26.7	23.1
14	24.5	24.7	24.7	24.7	24.7	24.6	24.5	24.5	24.5	24.5	24.4	24.3	24.5	24.7	24.9	25.0	25.1	25.0	24.7	24.5	24.5	24.5	24.5	24.6	25.1	24.3	
15	24.5	24.7	24.7	24.8	24.7	24.6	24.6	24.5	24.5	24.5	24.5	24.4	24.4	24.7	25.1	25.3	25.4	25.3	25.0	24.6	24.5	24.5	24.5	24.7	25.4	24.3	
16	24.5	24.7	24.7	24.7	24.8	24.7	24.6	24.5	24.5	24.5	24.5	24.5	24.5	24.4	24.3	24.2	24.2	24.2	24.3	24.4	24.5	24.5	24.5	24.5	24.8	24.2	
17	24.5	24.7	24.7	24.8	24.8	24.7	24.7	24.6	24.6	24.6	24.5	24.5	24.5	24.4	24.3	24.3	24.4	24.4	24.4	24.3	24.3	24.3	24.4	24.5	24.8	24.3	
18	24.5	24.7	24.7	24.7	24.7	24.6	24.6	24.5	24.5	24.4	24.4	24.3	24.3	24.2	24.2	24.2	24.3	24.3	23.6	22.6	21.6	20.6	20.8	22.7	23.8	24.7	20.6
19	23.6	24.1	24.1	24.2	24.2	24.1	24.1	24.0	24.0	24.0	23.9	24.0	24.5	25.7	28.1	27.8	27.4	27.3	27.3	27.1	26.8	26.4	26.2	26.1	25.4	28.1	23.6
20	26.1	26.3	26.3	26.3	26.3	26.3	26.2	26.2	26.2	26.2	26.1	25.9	25.8	26.0	26.3	26.6	27.0	27.3	27.5	27.4	27.3	27.0	26.7	26.4	26.5	27.5	25.8
21	26.2	26.2	26.2	26.2	26.2	26.2	26.1	26.1	26.1	26.1	26.1	26.0	26.0	26.0	26.1	26.4	26.7	26.9	26.8	26.7	26.6	26.5	26.4	26.3	26.9	26.0	
22	26.3	26.6	26.8	27.0	27.2	27.2	27.1	27.0	26.8	26.7	26.7	26.9	27.1	27.2	27.3	27.4	27.4	27.5	27.4	27.3	27.1	27.0	26.8	26.7	27.0	27.5	26.3
23	26.5	26.6	26.5	26.4	26.3	26.2	25.9	25.9	25.9	25.9	25.9	25.9	26.0	26.2	26.2	26.2	26.3	26.4	26.5	26.6	26.5	26.5	26.4	26.2	26.6	25.9	
24	26.2	26.3	26.2	26.2	26.2	26.2	26.1	26.1	26.1	26.1	26.1	26.0	26.0	26.4	27.3	28.1	28.8	29.3	29.6	29.4	29.0	28.6	28.1	27.6	27.2	29.6	26.0
25	27.1	26.8	26.5	26.3	26.3	26.2	26.2	26.1	26.1	26.1	26.1	26.0	26.0	25.9	26.0	26.1	26.1	26.1	26.0	26.0	26.0	26.0	26.0	26.2	27.1	25.9	
26	26.0	26.2	26.2	26.3	26.2	26.2	26.2	26.2	26.2	26.2	26.1	25.9	25.9	26.2	26.5	26.8	27.1	27.1	26.9	26.6	26.2	26.1	26.1	26.3	27.1	25.9	
27	26.1	26.3	26.3	26.3	26.4	26.3	26.2	26.2	26.2	26.2	26.1	26.0	25.9	25.9	26.1	26.3	26.4	26.4	26.3	26.2	26.2	26.1	26.0	26.2	26.4	25.9	
28	25.9	26.1	26.1	26.2	26.2	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.4	27.7	28.8	29.7	29.4	28.9	28.4	27.7	27.1	26.5	26.3	26.3	26.9	25.9
29	26.2	26.4	26.4	26.4	26.4	26.4	26.3	26.3	26.2	26.2	26.2	26.2	26.2	26.1	26.0	26.0	26.0	25.9	26.0	26.1	26.1	26.2	26.2	26.2	26.4	25.9	
30	26.2	26.4	26.4	26.4	26.4	26.4	26.3	26.3	26.3	26.3	26.3	26.2	26.2	26.1	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.2	26.4	26.0	
31	26.0	26.2	26.1	26.2	26.2	26.1	26.0	26.0	25.9	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1	26.2	26.2	26.0	26.2	25.9	
Average	24.2	24.2	24.1	24.1	24.2	23.8	23.6	23.5	23.4	23.3	23.3	23.4	23.9	24.5	24.9	25.2	25.4	25.5	25.5	25.3	25.1	24.8	24.6	24.4			
Maximum	27.1	26.8	26.8	27.0	27.2	27.2	27.1	27.0	26.8	26.7	26.7	26.9	27.1	28.1	28.8	29.7	29.4	29.3	29.6	29.4	29.0	28.6	28.1	27.6			
Minimum	19.0	18.6	18.0	17.5	17.0	16.4	15.7	15.1	14.7	14.3	14.6	15.7	17.1	18.6	19.8	20.5	21.0	21.3	21.2	21.0	20.6	20.1	19.7	19.4			

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